

**CLAIMS**

1. Device (ADSL\_MODEM2) having Ethernet interfacing capability  
5 and ATMForum interfacing capability,

CHARACTERISED IN THAT said device (ADSL\_MODEM2) is  
equipped with a single connector (ETH/ATMF\_CON) comprising four pairs  
of pins (P1, P2, P3, P4) able to interface with an Ethernet plug and to  
interface with an ATMForum plug.

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2. Device (ADSL\_MODEM2) according to claim 1,

CHARACTERISED IN THAT said device further comprises an  
Ethernet driver (ETH\_DRV) with an output coupled to a first pair of pins  
(P1), an ATMForum driver (ATMF\_DRV) with an output coupled to a  
15 second pair of pins (P2), and a receiver (RX) with an input coupled to a  
third pair of pins (P3).

3. Device (ADSL\_MODEM2) according to claim 2,

CHARACTERISED IN THAT said device further comprises detector  
20 means (DET), coupled to said receiver (RX) and able to discriminate a  
received Ethernet signal from a received ATMForum signal.

4. Device (ADSL\_MODEM2) according to claim 3,

CHARACTERISED IN THAT said device further comprises Ethernet  
25 driver activating means (ETH\_ACT), coupled between an output of said  
detector means (DET) and a control input of said Ethernet driver  
(ETH\_DRV), said Ethernet driver activating means (ETH\_ACT) being  
adapted to activate said Ethernet driver (ETH\_DRV), and ATMForum  
driver activating means (ATMF\_ACT), coupled between an output of said  
30 detector means (DET) and a control input of said ATMForum driver

(ATMF\_DRV), said ATMForum driver activating means (ATMF\_ACT) being adapted to activate said ATMForum driver (ATMF\_DRV).

5           5. Device (ADSL\_MODEM2) according to any one of claims 1 to 4,  
CHARACTERISED IN THAT said device is an Asymmetric Digital  
Subscriber Line (ADSL) modem.

10           6. Device according to any one of claims 1 to 4,  
CHARACTERISED IN THAT said device is a Very High Speed  
Digital Subscriber Line (VDSL) modem.

15           7. Device according to any one of claims 1 to 4,  
CHARACTERISED IN THAT said device is an Integrated Services  
Digital Network (ISDN) modem.

8. Device according to any one of claims 1 to 4,  
CHARACTERISED IN THAT said device is a test apparatus.